ELSEVIER

Forensic Science International
Vol. 218, Nos. 1–3, 10th May 2012

Forensic Science International

www.elsevier.com/locate/forsciint

Contents

Abstracted in: *Biological Abstracts: Bulletin Signaletique: CABS (Current Awareness in Biological Sciences); Cambridge Scientific Abstracts; Chemical Abstracts: Criminology, Penology and Police Science Abstracts; Current Contents; EMBASE/Excerpta Medica; Medline/Index Medicus; National Criminal Justice Reference Service; Police Science Abstract; Science Citation Index; PubMed; Scopus.*

Special Issue: Proceedings of the Society of Hair Testing (SoHT) annual meeting in Chamonix (21–26 March 2011)

Editorial
P. Kintz 1–1
Consensus of the Society of Hair Testing on hair testing for chronic excessive alcohol consumption 2011
P. Kintz 2–2
Can ethyl glucuronide in hair be determined only in 3 cm hair strands?
R. Agius, L.M. Ferreira and M. Yegles 3–9
Ethyl glucuronide in hair – A highly effective test for the monitoring of alcohol consumption
R. Agius, T. Nadulski, H.-G. Kahl and B. Dufaux 10–14
Automated fast procedure for the simultaneous extraction of hair sample performed with an automated workstation
I. Angeli, M. Minoli, A. Ravelli, F. Gigli and F. Lodi 15–19
Society of Hair Testing guidelines for drug testing in hair
G.A.A. Cooper, R. Kronstrand and P. Kintz 20–24
LSD in pubic hair in a fatality
J.-m. Gaulier, J. Maublanc, F. Lamballais, S. Bargel and G. Lachâtre 25–27
Value of the concept of minimal detectable dosage in human hair
P. Kintz 28–30
Simultaneous detection of seventeen drugs of abuse and metabolites in hair using solid phase micro extraction (SPME) with GC/MS
K. Aleksa, P. Walasek, N. Fulga, B. Kapur, J. Gareri and G. Koren 31–36
Detection of polybrominated biphenyl ethers (PBDEs) in pediatric hair as a tool for determining *in utero* exposure
K. Aleksa, A. Carnevale, C. Goodyer and G. Koren 37–43
Evidence of mephedrone chronic abuse through hair analysis using GC/MS
M. Martin, J.F. Muller, K. Turner, M. Duez and V. Cirimele 44–48
Detection and quantification of 11-nor-Δ9-tetrahydrocannabinol-9-carboxylic acid in hair by GC/MS/MS in Negative Chemical Ionization mode (NCI) with a simple and rapid liquid/liquid extraction
M. Minoli, I. Angeli, A. Ravelli, F. Gigli and F. Lodi 49–52
Comparison of extraction procedures for benzodiazepines determination in hair by LC–MS/MS
L. Morini, C. Vignali, M. Polla, A. Sponta and A. Groppi 53–56
Hair and urine testing to assess drugs of abuse consumption in couples undergoing assisted reproductive technology (ART)
S. Pichini, R. De Luca, M. Pellegrini, E. Marchei, M.C. Rotolo, R. Spoletini, P. D'Aloja, R. Pacifici, C. Mortali and G. Scaravelli 57–61
Development and validation of a liquid chromatography–tandem mass spectrometry assay for hair analysis of atomoxetine and its metabolites: Application in clinical practice
E. Papaseit, E. Marchei, C. Mortali, G. Aznar, O. Garcia-Algar, M. Farrè, R. Pacifici and S. Pichini 62–67
General unknown screening in hair by liquid chromatography–hybrid quadrupole time-of-flight mass spectrometry (LC–QTOF-MS)
S. Broecker, S. Herre and F. Pragst 68–81
Practical experiences in application of hair fatty acid ethyl esters and ethyl glucuronide for detection of chronic alcohol abuse in forensic cases
S. Suesse, F. Pragst, T. Mieczkowski, C.M. Selavka, A. Elian, H. Sachs, M. Hastedt, M. Rothe and J. Campbell 82–91
Maternal hair testing for the assessment of fetal exposure to drug of abuse during early pregnancy: Comparison with testing in placental and fetal remains
M. Falcon, S. Pichini, J. Joya, M. Pujadas, A. Sanchez, O. Vall, O.G. Algar, A. Luna, R. de la Torre, M.C. Rotolo and M. Pellegrini 92–96

(Contents continued on page BM I)

0379-0738(20120510)218:1/3;1-C

08021

(Contents continued from outside back cover)

Positive EtG findings in hair as a result of a cosmetic treatment
F. Sporkert, H. Kharbouche, M.P. Augsburger, C. Klemm and M.R. Baumgartner 97–100
The standardization of results on hair testing for drugs of abuse: An interlaboratory exercise in Lombardy Region, Italy
C. Stramesi, C. Vignali, A. Groppi, M. Caligara, F. Lodi, S. Pichini and C. Jurado 101–105
Diethyl phosphates accumulation in rabbits' hair as an indicator of long term exposure to diazinon and chlorpyrifos
G. Maravgakis, M.N. Tzatzarakis, A.K. Alegakis, P.D. Stivaktakis and A.M. Tsatsakis 106–110
The atlas of dialkylphosphates; assessment of cumulative human organophosphorus pesticides' exposure
M.P. Kavvalakis and A.M. Tsatsakis 111–122
The influence of ethanol containing cosmetics on ethyl glucuronide concentration in hair
L. Martins Ferreira, T. Binz and M. Yegles 123–125

Publisher's Note
Accidental potassium dichromate poisoning. Toxicokinetics of chromium by ICP-MS-CRC in biological fluids and in hair [Forensic Sci. Int. 217 (2012) e8-e12]
J.P. Goulle´, E. Saussereau, J. Grosjean, C. Doche, L. Mahieu, J.M. Thouret, M. Guerbet, C. Lacroix e1-e1

Additional material available online.